

Recombinant Rabbit CD44 Protein, His-tagged

Cat. No. CD44-685R Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Rabbit CD44 Protein (Gln21-Val178) with His tag was expressed in E. coli. |
| Species | Rabbit |
| Source | E.coli |
| ProteinLength | Gln21-Val178 |
| Description | <p>The protein encoded by this gene is a cell-surface glycoprotein involved in cell-cell interactions, cell adhesion and migration. It is a receptor for hyaluronic acid (HA) and can also interact with other ligands, such as osteopontin, collagens, and matrix metalloproteinases (MMPs). This protein participates in a wide variety of cellular functions including lymphocyte activation, recirculation and homing, hematopoiesis, and tumor metastasis. Transcripts for this gene undergo complex alternative splicing that results in many functionally distinct isoforms, however, the full length nature of some of these variants has not been determined. Alternative splicing is the basis for the structural and functional diversity of this protein, and may be related to tumor metastasis.</p> |
| Form | Freeze-dried powder |
| Molecular Mass | Predicted Molecular Mass: 21.2 kDa; Accurate Molecular Mass: 21 kDa |
| Purity | > 95% |

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| Applications | Positive Control; Immunogen; SDS-PAGE; WB. |
| Stability | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| Storage | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months. |
| Storage Buffer | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300. |
| Reconstitution | Reconstitute in PBS or others. |

GENE INFORMATION

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| Gene Name | CD44 CD44 molecule (Indian blood group) [<i>Oryctolagus cuniculus</i>] |
| Official Symbol | CD44 |
| Synonyms | CD44; CD44 molecule (Indian blood group); |
| Gene ID | 100301546 |
| mRNA Refseq | XM_008269684 |
| Protein Refseq | XP_008267906 |
| UniProt ID | G1SDW8 |

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